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Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)**180.00**

Complete if Known

Application Number	10/805,843
Filing Date	March 22, 2004
First Named Inventor	GONZALO ROMERO M
Examiner Name	
Art Unit	1654
Attorney Docket No.	ROMERO

METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit Account Number
Deposit Account Name

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

**or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**180.00**

SUBMITTED BY

(Complete (if applicable))

Name (Print/Type)	GONZALO ROMERO M	Registration No. (Attorney/Agent)		Telephone	727-712-9265
Signature				Date	06-17-04

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADE MARK OFFICE

Appl. No. : 10/805,843
Filed : March 22, 2004
Applicant : Gonzalo Romero M
Appl. Title : Devastating treatment against HIV/AIDS with capsaicin
Examiner/GAU: 1654

Mailed: 6-17-04

At: Saint Petersburg 33703

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents

P.O. Box 1450, Alexandria, VA 22313-1450.

Sir:

Attached is a completed Form PTO/SB/08 (A&B) and copies of the pertinent parts of the references cited thereon. Following are comments on any non-English-language references pursuant to rule 98: Hiroshi (1997), shows an immunization mechanism of *Criptomeria japonica* D analogue and similar to the way capsaicin can operate in human organisms. Masaru (1998), expresses that capsaicin can be used to control superficial mycosis, being able it to release tachykinins as substance P for reinforcing an antifungal effect and promoting recovery of such diseases.

Very respectfully,

Applicant: Gonzalo Romero M

Enc: PTO-1449 & References

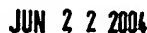
c/o: Gonzalo Romero, Applicant Pro se

455 39 Ave North apt # 2
Saint Petersburg FL 33703-6118
Telephone: 727-712-9265

CERTIFICATE OF MAILING

I certify that this correspondence will be deposited with the United States Postal Service as first class mail with proper postage affixed in an envelope addressed to: "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" on the date below.

Date: 2004 6-17-04 Gonzalo Romero M, Applicant



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Substitute for form 1449/PTO

(Use as many sheets as necessary)

Sheet	1	of	1
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Complete if Known

Application Number	10/805,843
Filing Date	March 22, 2004
First Named Inventor	GONZALO ROMERO M
Art Unit	1654
Examiner Name	
Attorney Docket Number	ROMERO

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
	7	JP 09249579	09-22-1997	HIROSHI	p.1 abstract	✓
	8	JP 10120593	05-12-1998	MASARU	p.1 abstract	✓
	9	WO 9921542 A 2	05-06-1999	MCGRATH	p.1,8,25,28-30.	
	10	WO 0203879 A 1	01-17-2002	GROTH	p.4, p.6.	
	11	WO 02067966	09-06-2002	MORRE	p.1 abstract	

Examiner
Signature

Date
Considered

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/805,843
		Filing Date	March 22, 2004
		First Named Inventor	GONZALO ROMERO M
		Art Unit	1654
Examiner Name			
Sheet 1	of 8	Attorney Docket Number	ROMERO

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	12	ANDREWS, J. The domesticated capsicum. 1984. University of Texas press. Austin.	
	13	BAR-SHAVIT Z, GOLMAND R, STABINSKY Y, GOTTLIEB P, FRIDKIN M, TEICHBERG V.I, BLUMBERG S. Enhancement of phagocytosis-a newly found activity of substance P residing in its n-terminal tetrapeptide sequence. Biochem and Biophy Research Comm. 1980. Vol. 94, pp. 1445-1451.	
	14	BELITZ H.D, GROSCH W. Food chemistry. 1987. Springer-verlag. Berlin	
	15	BERNSTEIN J.E. Capsaicin in the treatment of dermatologic disease. Cutis. 1987. Vol 39, pp. 352-353.	
	16	BERNSTEIN J.E, BICKERS D.R, DAHL M.V, ROSHAL J.Y. Treatment of chronic postherpetic neuralgia with topical capsaicin. Journal of American Academy Dermatology. 1987. Vol 17, pp. 93-96.	
	17	BLACK J.G. Microbiology. Principles and applications. 1993. Marymount University. Prentice Hall, New Jersey.	
	18	BLATTEIS C.M. Physiology and pathophysiology of the temperature regulation. 1998. University of Tennessee, Memphis. World Scientific Publishing.	
	19	BUCK S.H, BURKS T.F. Neuropharmacology of capsaicin: review of some recent observations. Pharmacological Reviews. 1986. Vol 38, pp. 179-272.	
	20	CHAH L.A, LYNCH A.M. The acute effects of capsaicin on the cardiovascular system. Acta Physiologica Hungarica. 1987. Vol 69, pp. 413-419.	

Examiner Signature	Date Considered
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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		Application Number	10/805,843
		Filing Date	March 22, 2004
		First Named Inventor	GONZALO ROMERO M
		Art Unit	1654
		Examiner Name	
Sheet 2	of 8	Attorney Docket Number	ROMERO

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	21	CHEMICAL INDUSTRY. Report developmental toxicology of polyoxyethylene sorbitan monooleate (cas# 9005-65-6) in sprague-dawley cd rats, abstract. 1992. Internet.	
	22	CICHEWICZ R.H, THORPE P.A. The antimicrobial properties of chile peppers (capsicum species) and their uses in Mayan medicine. J of Ethnopharmacology. 1996. Vol 52, pp. 61-70.	
	23	CROMBIE L, DANDEGAONKER S.H, SIMPSON K.B. Amides of vegetable origin. Part VI. Synthesis of capsaicin. J of the Chemical Society. 1955. pp. 1025-1027. London.	
	24	DEWITT D. The chile pepper encyclopedia. 1999. William Morrow and Co, Inc. New York.	
	25	DEWITT D, STOCK M.T, HUNTER K. The healing powers of peppers. 1998. Three Rivers Press, New York.	
	26	EGLEZOS A, ANDREWS P.V, BOYD R.L, HELME R.D. Review modulation of the immune response by tachykinins. Immunology and Cell Biology. 1991. Vol 69, pp. 285-294.	
	27	FRAENKEL-CONRAT H, KIMBAL P.C. Virology. 1982. Prentice-Hall, Inc, Englewood Cliffs, N.J.	
	28	FRANCO R, COSTA M, FURNESS J.B. Evidence that axons containing substance P in the guinea-pig ileum are of intrinsic origin. Naunyn-Schmied Arch of Phar. 1979. Vol 307, pp 57-63.	
	29	GANNETT P.M, IVERSEN P, LAWSON T. The mechanism of inhibition of cytochrome P450IIE1 by dihydrocapsaicin. Bio-organic Chemistry. 1990. Vol 18, pp. 185-198.	
	30	GILMAN S.C, SCHWARTZ J.M, MILNER R.J, BLOOM F.E, FELDMAN J.D. B-endorphin enhances lymphocytes proliferative responses. Proceed of Nat Acad of Sciences. 1982. Vol 79, pp. 4226-4230.	

Examiner Signature		Date Considered	
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	31	GLINSUKON T,STITMUNNAITHUM V,TOSKULKAO C,BURANAWUTI T,TANGKRISANAVINONT V.Acute toxicity of capsaicin in several animal species.Toxicon.1980.Vol 18,pp. 215-220.		
	32	HARBOUR D.A,HILL T.J,BLYTH W.A.Recurrent herpes simplex in the mouse:inflammation in the skin and activation of virus in the ganglia		
		following peripheral stimulation.Journal of General Virology.1983.Vol 64,pp. 1491-1498.		
	33	HARTUNG H.P,TOYKA K.V.Activation of macrophages by substance P:induction of oxidative burst and thromboxane release.Eur J of Pharmacology.1983.Vol 89,pp. 301-305.		
	34	HEINERMAN J.Encyclopedia of healing juices.1994.Parker Publishing Co.New York.		
	35	HOLZER P.Capsaicin:cellular targets,mechanisms of action, and selectivity for thin sensory neurons.Pharmacological Reviews.1991.Vol 43,pp. 143-201.		
	36	HOLZER P,SARIA A,SKOFITSCH G,LEMBECK F.Increase in tissue concentrations of histamine and 5-hydroxytryptamine following capsaicin		
		treatment of newborn rats.Life Sciences.1981.Vol 29,pp. 1099-1105.		
	37	HOLZER P,GAMSE R,LEMBECK F.Distribution of substance P in the gastrointestinal track-lack of effect of capsaicin pretreatment.Europ J of Pharmacology.1980.Vol 61,pp.303-307.		
	38	ISSEKUTZ B,LICHTNECKERT I,WINTER M.Effect of histamine,capsaicine and procaine on heat regulation.Archiv Inter de Pharmacodynamie et de Therapie.1950.Vol 83,pp.319-326.		

Examiner Signature		Date Considered	
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Sheet	4	of	8
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	39	JANCSO N, JANCSO-GABOR A, SZOLCSANYI J. Effect of capsaicine on thermoregulation. Acta Physiol Acad Scientiarum Hungaricae. 1966. Vol 29, p. 364.	
	40	JANCSO-GABOR A, SZOLCSANYI J, JANCSO N. Irreversible impairment of thermoregulation induced by capsaicin and similar pungent substances in rats and guinea-pigs. The Journal of Physiology. 1970. Vol 206, pp. 495-507.	
	41	JOE B, LOKESH B. R. Role of capsaicin, curcumin and dietary n-3 fatty acids in lowering the generation of reactive oxygen species in rat peritoneal macrophages. Biochimica et Biophysica Acta. 1994. Vol 1224, pp. 255-263.	
	42	JOHNSON A. R, ERDOS E. G. Release of histamine from mast cells by vasoactive peptides. Proceed of the Soc for Exper Biol and Med. 1973. Vol 142, pp. 1252-1256.	
	43	KARRER T, BARTOSHUK L. Capsaicin desensitization and recovery on the human tongue. Physiology and Behavior. 1991. Vol 49, num 1, pp. 757-764.	
	44	KAUZMANN. Influence of temperature on biological system. Symposium of University of Connecticut. Editor Johnson F. H. American Physiol Soc. 1957.	
	45	LIMLOMWONGSE L, CHAITAUCHAWONG C, TONGYAI S. Effect of capsaicin on gastric acid secretion and mucosal blood flow in rat. The J of Nutrition. 1979. Vol 109, pp. 773-777.	
	46	LJUNGDAHL A, KRISTENSSON K, LUNDBERG J. M, SVENNERHOLM B, ZIEGLER R. Herpes simplex virus in capsaicin treated mice. J of the Neurological Sciences. 1986. Vol 72, pp. 223-230.	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Attorney Docket Number	ROMERO

Sheet 5 of 8

NON PATENT LITERATURE DOCUMENTS

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	47	LUNBLAD L, LUNBERG J.M, ANGGARD A, ZETTERSTROM O. Capsaicin-sensitive nerves and the cutaneous allergy reaction in man. Allergy. 1987. Vol 42, pp. 20-25.	
	48	MAKARA G.B, GYORGY L, MOLNAR J. Circulatory and respiratory responses to capsaicin, 5-hydroxytryptamine and histamine in rats pretreated with	
		capsaicin. Archives Internationales de Pharmacodynamie et de Therapie. 1967. Vol 170, pp. 39-45.	
	49	MATHEWS P.M, FROELICH C.J, SIBBITT W.L, BANKHURST A.D. Enhancement of natural cytotoxicity by B-endorphin. The J of Immunology. 1983. Vol 130, pp. 1658-1662.	
	50	MCGILLS J.P, MITSUHASHI M, PAYAN D.G. Immuno-modulation by tachykinin neuropeptides. Annals of the N.J Acad of Sciences. 1990. Vol 594, pp. 85-93.	
	51	MONSEREENUSORN Y. Subchronic toxicity studies of capsaicin and capsicum in rats. Chemical Pathology and Pharmacology. 1983. Vol 41, pp. 95-110.	
	52	MONSEREENUSORN Y, GLINSUKON T. The inhibitory effect of capsaicin on intestinal glucose absorption in vitro. Toxicology Letters. 1979. Vol 4, pp. 393-397.	
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		Application Number	10/805,843
		Filing Date	March 22, 2004
		First Named Inventor	GONZALO ROMERO M
		Art Unit	1654
Examiner Name			
Sheet 6 of 8	Attorney Docket Number	ROMERO	

NON PATENT LITERATURE DOCUMENTS			
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